



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

September 24, 2019

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

Kate Ingram  
Solenis LLC  
500 Hercules Road  
Wilmington, DE 19808

Subject: Notification per PRN 98-10 – Adding Not for Use in California  
Product Name: SPECTRUM™ RX3100 Microbiocide Agent  
EPA Registration Number: 74655-7  
Application Date: 08/09/2019  
Decision Number: 554179

Dear Ms. Ingram:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 for the above referenced product. The Antimicrobials Division (AD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action requested falls within the scope of PRN 98-10.

The label submitted with the application has been stamped “Notification” and will be placed in our records.

Should you wish to add/retain a reference to the company’s website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product’s label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA’s Office of Enforcement and Compliance.

If you have any questions, you may contact Jake McFarley at (703) 347-0123 or via email at [McFarley.jake@epa.gov](mailto:McFarley.jake@epa.gov).

Sincerely,

A handwritten signature in black ink that reads "Jake McFarley".

For:

Zeno Bain, Product Manager 33  
Regulatory Management Branch I  
Antimicrobials Division (7510P)  
Office of Pesticide Programs

# SPECTRUM™ RX3100 microbiocide agent

## ACTIVE INGREDIENTS

Dodecylguanidine Hydrochloride.....10.6%  
Methylene Bis(thiocyanate).....5.0%  
OTHER INGREDIENTS\*.....84.4%  
TOTAL.....100.0%

\*Inert ingredients include solubilizing and dispersing agents.

Contents: liquid

Pounds per gallon: 9.2 lb/gal (60°F)

EPA Reg. No. 74655-7

EPA Est. No.

**Solenis LLC**  
**500 Hercules Rd**  
**Wilmington, DE 19808**  
**(302) 594-5000**  
**Emergency Phone Number**  
**1-844-SOLENIS (1-844-765-3647)**

For Industrial Use.

MADE IN USA

Produced for Solenis LLC

## NOTIFICATION

74655-7

The applicant has certified that no changes, other than those reported to the Agency have been made to the labeling. The Agency acknowledges this notification by letter dated:

09/24/2019

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS  
DANGER**

DANGER. Corrosive. Causes irreversible eye damage. Causes skin irritation. Harmful if absorbed through skin. Harmful if inhaled. Harmful if swallowed. Do not get in eyes, on skin, or on clothing. Do not breathe vapor or spray mist. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse. Wear goggles or face shield. Wear long-sleeved shirt and long pants and chemical-resistant gloves. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

**PERSONAL PROTECTIVE EQUIPMENT (PPE)**

Applicators and other handlers must wear: Coveralls over short-sleeved shirt and short pants, Socks and chemical-resistant footwear, Goggles or face shield, Chemical-resistant gloves (such as barrier laminate, butyl nitrile, or neoprene rubber, polyvinyl chloride or viton), A non-powered air-purifying respirator with an organic-vapor (OV) removing cartridge or canister plus an N-, R-, or P- series filter. In addition, loaders and cleaners of equipment must wear a chemical-resistant apron.

Mixers, Loaders, Applicators and other handlers must wear:

- Long-sleeve shirt and long pants
- Shoes plus socks
- protective eyewear
- chemical-resistant apron and chemical-resistant gloves

**USER SAFETY REQUIREMENTS**

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry. Discard clothing or other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

**USER SAFETY RECOMMENDATIONS**

Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Users should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. User should remove PPE immediately after handling this product. Wash outside of gloves before removing. As soon as possible wash thoroughly and change into clean clothing. This product may cause skin sensitization in some people.

**ENVIRONMENTAL HAZARDS**

This product is toxic to fish aquatic invertebrates, shrimp and oysters. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

**PHYSICAL AND CHEMICAL HAZARDS**

Combustible. Do not use, pour or store near heat or open flame.

**KEEP OUT OF REACH OF CHILDREN**  
**DANGER**

**FIRST AID**

**IF IN EYES:**

Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

**IF ON SKIN OR CLOTHING:**

Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

**IF INHALED:**

Move person to fresh air. If person is not breathing, call 911 or an ambulance, and then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for treatment advice.

**IF SWALLOWED:**

Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

**FOR EMERGENCY INFORMATION CALL**  
**1-844-SOLENIS (1-844-765-3647)**

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

**STORAGE AND DISPOSAL**

**PESTICIDE STORAGE:** Keep container tightly closed. Protect from freezing. Store in a dry place. Do not store at elevated temperatures.

**PESTICIDE DISPOSAL:** Do not contaminate water, food or feed by storage or disposal. Pesticide wastes are acutely hazardous and/or toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

**CONTAINER HANDLING -** Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for reconditioning, if appropriate or puncture and dispose of in a sanitary landfill or by incineration or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

**DIRECTIONS FOR USE:**

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

**GENERAL PRECAUTIONS AND RESTRICTIONS:**

Do not apply this product in a way that will contact workers or other persons.

**PULP AND PAPER SYSTEMS**

This product aids in the control of objectionable bacteria and fungi in pulp, paper mill and the additive system, and for the preservation of pulp, pigment slurries, alum, emulsions, adhesives, defoamers, polymers and paper products. Additions can be made on a continuous or intermittent basis depending upon the severity of the contamination. **BADLY FOULED SYSTEMS** must be cleaned before treatment is begun.

**FOR SLIME CONTROL**

This product must be added directly to the pulp and paper mill system. Apply at a point in the system where the product will be uniformly mixed.

**INTERMITTENT OR SLUG METHOD-INITIAL DOSE:** When the system is noticeably fouled, add this product at the rate of 0.1 to 1.0 pound per ton of pulp or paper produced. Additions to additive system must be made directly at the rate of 0.5 to 4.0 pound (60 to 480 ppm) per 1000 gallons. Repeat until control is achieved. **SUBSEQUENT DOSE:** When microbial control is evident, add this product at the rate of 0.1 to 0.5 pound per ton of pulp and paper produced. Treat the system as needed to maintain control. Additions to the additive system may be reduced to 0.25 to 2.0 pound (30 to 240 ppm) per 1000 gallons. **CONTINUOUS FEED METHOD-INITIAL DOSE:** When the system is noticeably fouled, add this product at the rate of 0.1 to 1.0 pound per ton of pulp or paper produced. Additions to additive system must be made directly at the rate of 0.5 to 4.0 pound (60 to 480 ppm) per 1000 gallons. Continue until control is achieved. **SUBSEQUENT DOSE:** Maintain the following level by continuous feed of this product at the rate of 0.1 to 0.3 pound per ton of pulp and paper produced. Additions to the additive system must be at the rate of 0.1 to 1.5 pound (12 to 180 ppm) per 1000 gallons.

**MOLD INHIBITION IN PAPER AND PAPERBOARD**

This product is used to inhibit fungal growth which causes discoloration, odor and degradation in paper and paperboard grades for construction, industrial and non-food uses.

This product must be applied to the hydropulper or dump chest at the rate of 5.0 to 20.0 pound per ton of dry fiber produced. Application can also be made at the size press or water box. In this case the application is made at the rate of 200 to 1000 ppm of this product in the sizing solution applied to the paper sheet.

**FOR PRESERVATION****NOT APPROVED FOR USE IN CALIFORNIA**

This product must be added directly to the material to be preserved prior to manufacturing into the finished product, i.e., pulp, broke, polymer, defoamers, alum, emulsions, adhesives, papermill coatings, pigment slurries and paper products. The dosage rate will depend upon the material to be preserved and the storage time.

Add directly to the material to be preserved prior to manufacturing into the finished product. The dosage rate will depend upon the material to be preserved and the storage time. The usual addition rate is 0.10 to 0.30 lbs / 10,000 lbs (10 to 30 ppm). Under extreme conditions of spoilage the dosage must be increased to 0.11 to 0.66 lbs/ 10,000 lbs (12.5 to 80 ppm). The dosage rates are based on a maximum storage time of 2 weeks. For storage times greater than 2 weeks the maximum concentration must be increased to 0.40 to 0.83 lbs / 10,000 lbs (50 to 100 ppm). **Do not use for adhesives or coatings that involve direct or indirect food or human drinking water contact application.**

## **RECIRCULATING COOLING WATER SYSTEMS**

This product aids in the control of bacterial, fungal and algal slimes in evaporative condensers, heat exchange water systems, commercial and industrial cooling towers, influent systems such as flow through filters, lagoons, industrial water scrubbing systems and brewery pasteurizers. Add to the systems either continuously or intermittently or as needed. The frequency of feeding and duration of the treatment will depend upon the severity of the problem. BADLY FOULED SYSTEMS must be cleaned before treatment is begun.

### **FOR CONTROL OF BACTERIA, FUNGI, AND ALGAE**

INTERMITTENT OR SLUG METHOD – INITIAL DOSE: When the system is noticeably fouled, apply 6.6 to 13.2 oz /1000 gallons (50 to 100 pm). Repeat until control is achieved.

SUBSEQUENT DOSE: When control is evident, apply 3.3 to 6.6 oz /1000 gallons (25 to 50 ppm) every 3 days as needed.

CONTINUOUS FEED METHOD – INITIAL DOSE: When the system is noticeably fouled, apply 3.3 to 6.6 oz / 1000 gallons (25 to 50 ppm) per day.

SUBSEQUENT DOSE: Maintain initial rate by continuously feeding 3.3 to 6.6 oz / 1000 gallons (25 to 60 ppm) per day.

## **AIR WASHERS**

### **NOT APPROVED FOR USE IN CALIFORNIA**

For use only in industrial air washer systems that maintain effective mist eliminating components. This product controls slime forming bacteria and fungi in industrial air washer systems. Add 0.1 to 1.0 pound (12 to 120 ppm) of this product per 1000 gallons of water in the system, depending upon the severity of contamination. BADLY FOULED SYSTEMS must be cleaned before treatment is begun.

INTERMITTENT OR SLUG DOSE METHOD – INITIAL DOSE: When the system is noticeably fouled, apply 6.6 to 13.2 oz / 1000 gallons (50 to 100 ppm). Repeat until control is achieved.

SUBSEQUENT DOSE: When control is evident, apply 3.3 to 6.6 oz / 1000 gallons (25 to 50 ppm) every 3 days as needed.

CONTINUOUS FEED METHOD – INITIAL DOSE: When the system is noticeably fouled, apply 3.3 to 6.6 oz / 1000 gallons (25 to 50 ppm) per day.

SUBSEQUENT DOSE: Maintain initial rate by continuously feeding 3.3 to 6.6 oz / 1000 gallons (25 to 60 ppm) per day.

mmyy [where mm is two numerical digit month and yy is two numerical digit year to be used to identify label version]

[Note to reviewer: information in [ ] will not appear on marketplace label]